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PTO/SB/81 (01-06)  
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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/810,101
Filing Date	March 25, 2004
First Named Inventor	Gregor Sagner
Title	Methods for Determining the .....
Art Unit	1637
Examiner Name	Suryaprabha Chunduru
Attorney Docket Number	022101-001910US/19094-US1

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

41504

OR

☒ Practitioner(s) named below:

Name	Registration Number
Charles M. Doyle	39,175
Robert W. Mann	48,555
Rhea C. Nersesian	55,488

as my/our attorney(s) or agent(s) to prosecute the application identified above and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☒ The address associated with Customer Number:

41504

OR

☐ Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

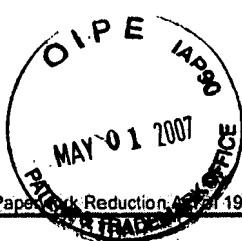
Signature	<i>D. Michael Young</i>	Date	4/24/07
Name	D. Michael Young	Telephone	317-5217340
Title and Company	Roche Diagnostics Operations, Inc.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Gregor Sagner, et al.Application No./Patent No.: 10/810,101 Filed/Issue Date: March 25, 2004Entitled: METHOD FOR DETERMINING THE EFFICIENCY OF NUCLEIC ACID AMPLIFICATIONSRoche Diagnostics Operations, Inc.

(Name of Assignee)

a A Delaware Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Gregor Sagner, et al. To: Roche Molecular Systems, Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 014190, Frame 0047, or for which a copy thereof is attached.
2. From: Roche Molecular Systems, Inc. To: Roche Diagnostics Operations, Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 018535, Frame 0800, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

D. Michael Young

Signature

D. Michael Young

Printed or Typed Name

Vice President & Chief Intellectual Property Counsel

Title

4/24/07

Date

317-521-7340

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES DEPARTMENT OF COMMERCE**  
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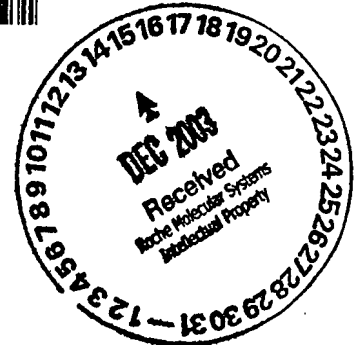


\*700056455A\*

DECEMBER 12, 2003

PTAS

ROCHE MOLECULAR SYSTEMS, INC  
CHARLES M. DOYLE  
PATENT DEPARTMENT  
1145 ATLANTIC AVENUE  
ALAMEDA, CA 94501



UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/11/2003

REEL/FRAME: 014190/0047  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

SAGNER, GREGOR

DOC DATE: 12/02/2003

## ASSIGNOR:

TABITI, KARIM

DOC DATE: 12/05/2003

## ASSIGNOR:

GUTEKUNST, MARTIN

DOC DATE: 12/08/2003

## ASSIGNOR:

SOONG, RICHIE

DOC DATE: 12/11/2003

## ASSIGNEE:

ROCHE MOLECULAR SYSTEMS, INC.  
1145 ATLANTIC AVENUE  
ALAMEDA, CALIFORNIA 94501

014190/0047 PAGE 2

SERIAL NUMBER: 09823712  
PATENT NUMBER:

FILING DATE: 03/30/2001  
ISSUE DATE:

DOROTHY WILLIAMS, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

DEC. 11. 2003 4:40PM

RMS Patent Department  
12/11/2003

NO. 314 P. 1

Dock #: 19094-08

FORM PTO-1585 (Modified)  
(Rev. 09-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
POBA/REV03

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

## PATENTS ONLY

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To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Gregor SAGNER  
Karim TABITI  
Martin GUTEKUNST  
Richie SOONG

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 12/2/03, 12/5/03, 12/8/03 &amp; 12/11/03

## 2. Name and address of receiving party(ies):

Name: ROCHE MOLECULAR SYSTEMS, INC.

Address: 1145 Atlantic Avenue

City: Alameda

State/Prov.: CA

Country: US

ZIP: 94501

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

09/823,712

March 30, 2001

Additional numbers

☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Charles M. Doyle

Registration No. 39,175

Address: Roche Molecular Systems, Inc

Patent Department

1145 Atlantic Avenue

City: Alameda

State/Prov.: CA

Country: US

ZIP: 94501

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0812

(Attach duplicate copy of this page if paying by deposit account)

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles M. Doyle, Ph.D.

Name of Person Signing

Charles M. Doyle

Signature

December 11, 2003

Date

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignments

Director of the United States  
P.O. Box 1450, AlisoI hereby certify that this Assignment and attachments are being transmitted to the  
United States Patent and Trademark Office via facsimile no. 703-306-5935 on 12/11/03

Whitney Dunn

Docket No. 19094-US

## ASSIGNMENT

WHEREAS, We Gregor SAGNER, Karim TABITI, Martin GUTKUNST and Richie SOONG, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements, which are described and claimed in an application, provisional or otherwise, for United States Letters Patent entitled

METHOD FOR THE DETERMINING THE EFFICIENCY-OF  
NUCLEIC ACIDS AMPLIFICATIONS

and identified by Serial No: 09/823,712

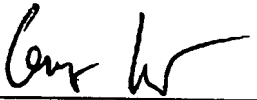
Filing Date: March 30, 2001

WHEREAS, ROCHE MOLECULAR SYSTEMS, INC. of 1145 Atlantic Avenue, Alameda, California 94501, an company organized under the Laws of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the said invention and application and in any United States Letters of Patent which may be granted on the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters of Patent which may hereafter be granted on the same in the United States including any application claiming priority under 35 U.S.C. §119(c), divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

UPON said consideration, ASSIGNORS do hereby covenant and agree with the said ASSIGNEE that ASSIGNORS will not execute any writing or do any act whatsoever conflicting with these presents. ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, in enforcing any rights or choses in action accruing as a result of such applications or patents, including but not limited to, giving testimony in any proceedings or transactions involving such applications or patents and executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of all parties hereto.

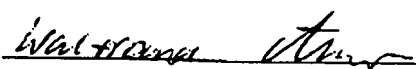
IN TESTIMONY WHEREOF, this assignment has been executed by the ASSIGNORS

  
Gregor Sagner

at Penzberg, Germany.

Dec 2, 2003  
Date

WITNESSES





Atty Docket 19094-US  
Serial No. 09/823,712  
Assignment of Application to RMS

Karim Tabiti  
Karim Tabiti

at Pleasanton, California, USA. 12/11/03  
Date

WITNESSES

[Signature]  
[Signature]

12/11/03  
12/11/03

Martin Gutekunst at \_\_\_\_\_ Germany. \_\_\_\_\_  
Date

WITNESSES

\_\_\_\_\_

Richie Soong at \_\_\_\_\_ Date

WITNESSES

\_\_\_\_\_

Atty Docket 19094-US  
Serial No. 09/823,712  
Assignment of Application to RMS

\_\_\_\_\_  
Karim Tabiti at \_\_\_\_\_ Germany. \_\_\_\_\_  
Date  
WITNESSES  
\_\_\_\_\_  
\_\_\_\_\_

Martin Gutekunst at Penzberg Germany. Dec 05, 2003  
Date  
WITNESSES  
Waltermann Ankerbauer J. Pote

\_\_\_\_\_  
Richie Soong at \_\_\_\_\_  
Date  
WITNESSES  
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\_\_\_\_\_ at \_\_\_\_\_ Germany. \_\_\_\_\_  
Karim Tabiti Date

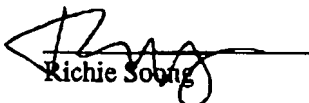
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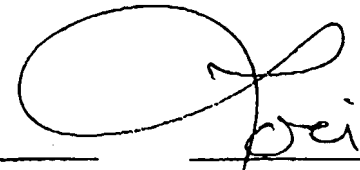
\_\_\_\_\_ at \_\_\_\_\_ Germany. \_\_\_\_\_  
Martin Gutekunst Date

WITNESSES

\_\_\_\_\_

 at BIRMINGHAM, ALABAMA 8 DEC 2003  
Richie Soong Date

WITNESSES

Robert B. Dunn  Wei Matteson BS